

16623 U.S. PTO  
09/16/03

COMMISSIONER FOR PATENTS  
Mail Stop Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

PATENT APPLICATION  
Date: September 16, 2003  
File No. 0941.68363

Sir:

Transmitted herewith for filing pursuant to  
35 U.S.C. 111(a), is the patent application of

Inventor(s): Hong et al.

For: MAGNETORESISTIVE SPIN-VALVE  
SENSOR AND MAGNETIC STORAGE  
APPARATUS

*I hereby certify that this paper is being deposited with the United States Postal Service as EXPRESS MAIL in an envelope addressed to: Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this date.*

Sep. 16, 2003  
Date

*Daniel*  
Express Mail Label No.: EV 032734918 US

Enclosed are:

- ☒ 17 pages of specification, including 13 claims and an abstract.
- ☐ an executed oath or declaration, with power of attorney.
- ☒ an unexecuted oath or declaration, with power of attorney.
- ☐      sheet(s) of informal drawing(s).
- ☒ 5 sheet(s) of formal drawings(s).
- ☐ Assignment(s) of the invention to                      and Assignment Cover Sheet.
- ☐ A check in the amount of \$            to cover the fee for recording the assignment(s).
- ☒ Information Disclosure Statement, Form PTO-1449 and cited references.
- ☐ Claim for Priority and Priority Document.
- ☒ PCT Request (courtesy copy).
- ☒ Preliminary Amendment.

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Fee Calculation For Claims As Filed

a) Basic Fee						\$ 750.00
b) Independent Claims	<u>2</u>	-	<u>3</u>	=	<u>    </u>	x \$ 84.00 = \$ <u>    </u>
c) Total Claims	<u>13</u>	-	<u>20</u>	=	<u>    </u>	x \$ 18.00 = \$ <u>    </u>
d) Fee for Multiple Dependent Claims						\$ 280.00 = \$ <u>    </u>

Total Filing Fee \$ 750.00

☐ Applicant(s) qualifies as a Small Entity, reducing Filing Fee by half to \$     

☐ A check in the amount of \$      to cover the filing fee is enclosed.

☒ ~~The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. 1.16-1.17, or credit any overpayment, to Deposit Account No. 07 2069. A duplicate copy of this sheet is enclosed.~~

Respectfully submitted,

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